

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A three-dimension image processing system, including an image processing apparatus connected to a display to generate image data for displaying an object existing in a three-dimensional space on said display according to a program, and an operating device including an operating member having a base end rotatably supported and a free end operable by an operator, so that the image data is varied in accordance with movement of said operating member,

wherein said operating device includes an inclination amount circuitry ~~data output means~~ which detects an inclination amount of said operating member to output inclination amount data, and

wherein said image processing apparatus comprises:

[[a]] direction determining circuitry ~~means~~ which determines a moving direction of the object in the three-dimensional space based on the inclination amount data and a camera angle at which the object is being viewed by said operator at a time when the inclination amount is detected;

[[a]] moving amount determining circuitry ~~means~~ which determines a moving amount of the object ~~within one frame~~ on said display;

[[a]] position determining circuitry means which determines a position of the object in the three-dimensional space in accordance with the moving direction and the moving amount; and

an image data output circuitry means which outputs image data for displaying the object on said display at a position controlled by said position determining circuitry means.

2. (Currently Amended) A three-dimension image processing system according to claim 1, wherein said moving amount determining circuitry means includes a first calculating circuitry means that calculates the moving amount based on the inclination amount data, a moving amount storage storing means that stores [[an]] a previous actual moving amount, ~~immediately before~~, of the object, [[a]] comparing circuitry means that compares the actual moving amount in said moving amount storage storing means with the moving amount calculated by said first calculating circuitry means, and [[a]] moving amount varying circuitry means that increases and decreases the moving amount calculated by said first calculating circuitry means dependent on a result of comparison by said comparing circuitry means.

3. (Currently Amended) A three-dimension image processing system according to claim 2, wherein said first calculating circuitry means calculates from the inclination amount data a moving amount which together with a predetermined value are calculated into the moving amount.

4. (Currently Amended) A three-dimension image processing system according to claim 2, wherein said moving amount varying circuitry ~~means~~ increases and decreases the moving amount in accordance with a function of the moving amount in said moving amount storage ~~storing~~ ~~means~~.

5. (Currently Amended) A three-dimension image processing system according to claim 2, wherein said moving amount varying circuitry ~~means~~ increases and decreases the moving amount in accordance with a constant value.

6. (Currently Amended) A three-dimension image processing system according to claim 1, wherein said moving direction determining circuitry ~~means~~ includes [[a]] second calculating circuitry ~~means~~ that calculates the inclining direction of said operating member based on the inclination amount data, ~~wherein the moving direction is determined based on the inclining direction and a camera angle.~~

7. (Currently Amended) In a three-dimension image processing system including an image processing apparatus connected to a display to generate image data for displaying an object existing in a three-dimensional space on said display, and an operating device including an operating member having a base end rotatably supported, a free end operable by an operator, and [[an]] inclination amount data output circuitry ~~means~~ which detects an inclination amount of said operating device to output inclination amount data, so that the image data is varied depending on movement of said operating member, wherein a program storing medium is stored with a program for generating the

image data, said program ~~storing means comprising the program being adapted to~~
perform the steps of for:

(a) determining a moving direction of the object in the three-dimensional space
based on the inclination amount data and a camera angle at which the object is being
viewed by an operator;

(b) determining a moving amount of the object to be moved ~~within one frame on~~
said display based on the inclination amount;

(c) determining a position of the object in the three-dimensional space depending
on the moving direction and the moving amount; and

(d) outputting the image data for displaying the object at the position ~~thus~~
determined in step (c).

8. (Currently Amended) A program storing medium according to claim 7,
wherein said image processing apparatus includes a storage ~~storing means~~ that stores an
actual moving amount of the object, and said program is adapted for (d1) determining the
moving amount based on the inclination amount data, (d2) comparing the actual moving
amount stored ~~[[by]]~~ in said storage ~~storing means~~ with the determined moving amount,
and ~~[(d3)]~~ increasing and decreasing the determined moving amount depending on the
comparing result.

9. (Original) A program storing medium according to claim 8, wherein said
program is adapted for determining the moving amount from a moving amount which is
calculated based on the inclination amount data and a predetermined value.

10. (Currently Amended) A program storing medium according to claim 8, wherein said program is adapted for increasing and decreasing the determined moving amount in accordance with a function of moving amount stored [[by]] in said moving amount storage ~~storing means~~.

11. (Original) A program storing medium according to claim 8, wherein said program is adapted for increasing and decreasing the determined moving amount in accordance with a constant value.

12. (Cancelled).